



The DCS 480 Converter



Description:

Delta DCS 480 is a hot-pluggable, fan-cooled converter which converts typical +24 Vdc input to -48 Vdc (48V) for various telecommunication applications. The high power density DC/DC module employs the start-of-the-art technology and provides high performance in efficiency, power density and extended operation temperature range. Up to 4 DC/DC power modules can be equipped into one 23" wide power shelf. Up to three shelves may be connected in parallel. The maximum capability can provide more than 5.5kW output power.

Features

- Module design for scaleable, cost effective expansion
- High efficiency
- Automatic load share, N+1 redundancy
- Hot swappable, no system shutdown for maintenance
- Reverse polarity protection design
- EMC Class B
- UL/cUL, TUV/CE Certified

Specification

General

Product name DD 48 V - 480 W - A

Efficiency 48V: > 83 %

Safety EN 1950
UL 1950
CAN/CSA-C22.2 No.950-95

EMI, radiated compliant with FCC Part 15 class B
EN 55022 class B

Cooling Fan cooled
MTBF > 150 K hours

Input

Voltage range 24V: 40 ... 59.5 V_{dc}

Current maximum 75 A

EMI, conducted compliant with FCC Part 15 class B
EN 55022 class B

Output

Voltage, nominal 48 V_{dc},

Voltage adjust range 42 ... 57.5 V_{dc}

Output current 10 A

Load sharing < ± 5%
Power limit 480 W

Mechanics

Width, overall 5.1" / 130 mm
Depth, overall 11.7" / 297 mm
Height, overall 3.1" / 80 mm
Weight 2.22 lb / 1 kg

Environment

Operating temperature 0 ... + 50 °C
Relative humidity 95 % max, non condensing
Altitude - 500 ~ 10000 feet

*Specifications are subject to change

